

What is claimed is:

- 1     1.     A computer, comprising:  
2             a system;  
3             an AC power supply operatively connected to said system for supplying said  
4     system with power;  
5             a battery operatively connected to said system and which is charged with  
6     power from said AC power supply and then discharged to supply power to said  
7     system; and  
8             a circuit operatively connected to said battery and said AC power supply and  
9     which is capable of turning off a charging function to said battery while said battery  
10    is connected to said AC power supply with said system being powered off.
  
- 1     2.     The computer according to Claim 1, wherein when said system is powered  
2     off during charging to said battery, said circuit turns off the charging function to the  
3     battery after the charging is complete.
  
- 1     3.     The computer according to Claim 1, wherein said circuit can turn on charging  
2     function to said battery if said AC power supply has shifted from not being  
3     connected to being connected with said system powered off.
  
- 1     4.     The computer according to Claim 1, wherein said circuit turns on charging  
2     function when a battery that has not been connected is connected with said system  
3     powered off.
  
- 1     5.     The computer according to Claim 1, wherein said circuit turns on charging  
2     function to a battery after a predetermined time period has passed with charging  
3     function to the battery turned off.

1     6.     The computer according to Claim 1, further comprising a regulator operatively  
2     connected to said circuit for supplying a small amount of power to said circuit.

1     7.     The computer according to Claim 1, further comprising a user interface for  
2     a user to set said charging function for when the system is in power-off state, and  
3     wherein said circuit turns off the charging function to said battery based on  
4     information set in said user interface.

1     8.     Apparatus comprising:  
2             a computer system;  
3             an AC power supply operatively connected to said computer system and  
4     supplying power thereto;  
5             a wakeup device operatively connected to said computer and effective to  
6     wake up the computer system;  
7             an auxiliary power supply which supplies power to said wake up device while  
8     said computer system is powered off and said AC power supply is connected; and  
9             a circuit for turning off said auxiliary power supply based on settings by a  
10    user.

1     9.     Apparatus according to Claim 8 wherein said circuit turns off said auxiliary  
2     power supply for WakeOnLAN function.

1     10.    A method comprising:  
2             determining whether or not a battery connected to a computer system is  
3     being charged from an AC power supply with said system powered off; and  
4             turning off the power to a charging circuit for charging the battery when the  
5     battery is not being charged even if said AC power supply is connected.

1     11.    A method according to Claim 10, further comprising turning on the charging  
2     circuit in response to elapse of a predetermined time period after the power supply

3 to the charging circuit is turned off.

1 12. A method comprising:

2 turning off the power supply from an AC power supply to a battery charging  
3 circuit which charges a battery connected to a computer system with said system  
4 powered off; and

5 shifting the power supply of the charging circuit from OFF to ON when the AC  
6 power supply is connected after not being connected.

1 13. A method comprising:

2 turning off the power supply from an AC power supply to a battery charging  
3 circuit which charges a battery connected to a computer system with said system  
4 powered off; and

5 shifting the power supply of the charging circuit from OFF to ON when a  
6 battery requiring to be charged is connected to the system after not being  
7 connected.

1 14. A method comprising:

2 turning on an auxiliary power supply which supplies a wakeup function for a  
3 computer system with the system powered off in response to the state of an AC  
4 power supply for the system;

5 turning off the auxiliary power supply if the AC power supply is not connected  
6 and only the battery is connected; and

7 turning off the auxiliary power supply depending on settings even when said  
8 AC power supply is connected.

1 15. A method according to Claim 14, further comprising turning off the charging  
2 function to the battery depending on settings with the system powered off.

1 16. A program product comprising:

2           a computer readable medium:  
3           computer readable instructions stored on said medium and effective when  
4       executing on a computer system to cause the system to:  
5           determine whether or not a battery is being charged with the system  
6           powered off; and  
7           turn off the power to a charging circuit for charging a battery when the  
8           battery is not being charged even if an AC power supply is connected.

1       17.    A program product according to Claim 16, wherein said instructions further  
2       cause the computer system to turn on the power supply for supplying power to the  
3       charging circuit when the AC power supply is connected after not being connected.

1       18.    A program product according to Claim 16, wherein said instructions further  
2       cause the computer system to turn on the power supply for supplying power to the  
3       charging circuit when a battery requiring to be charged is connected after not being  
4       connected.

1       19.    A program product according to Claim 16, wherein said instructions further  
2       cause the computer system to turn on the power supply providing power to the  
3       charging circuit in response to elapse of a predetermined time period after the  
4       power supply is turned off.